

01/07/1992

F04D 29/28

AU-A-80708/91

COLE/ \* Q58 92-024501/03 \* WO 9119-906-A  
Gaseous fluid aspirator or pump comprises housing and impeller  
where impeller turns fluid flow through flow separation and  
turbulence is prevented by housing shape  
COLE M T 19.06.90-AU-000709

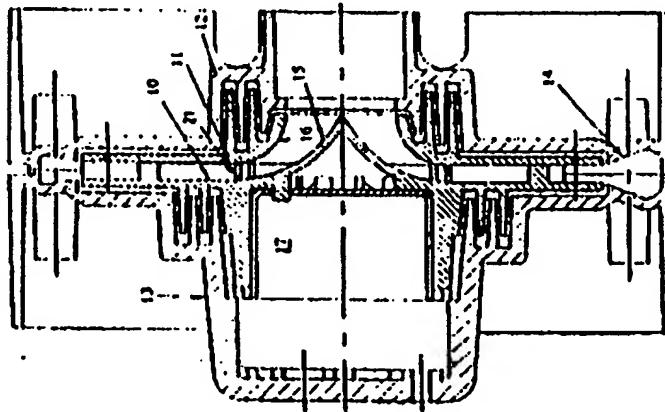
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19.06.91 as AU0281 (1737JT) (E) SU-382849 US2827261 GB1043168  
1.Jnl.Ref N(AU CA JP US) R(AT BE CH DE DK ES FR GB GR IT  
LU NL SE)

The apparatus includes a curved blade impeller 910) with radially  
extending blades. The impeller is mounted in a housing (16) with  
gaseous fluid inlet (15) and outlet (14). The impeller changes the  
axial flow or fluid into a radial flow.

A portion of the housing is curvate conical shaped to prevent flow  
separation and turbulence in the gaseous fluid stream whilst under  
influence of the impeller turning the fluid flow through an angle of 90  
deg. acceleration and deceleration of the fluid flow being prevented.

USE - Smoke detector apparatus. (19pp Dwg.No.1/10)  
N92-018861



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US Office: Derwent Inc., 1313 Dolley Madison Boulevard,  
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